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NSRDS

A COMPILATION OF COMPILATIONS

Data Compilations Collected by the National Bureau of Standards

This is a list of the data compilations held by the National Bureau of Standards (NBS) Office of Standard Reference Data (OSRD). They have attempted to "acquire all significant reference data compilations on a worldwide basis". Their holdings have been published as NBS Technical Note 554, which was issued in September, 1970.

The NBS has kindly made their list available to me in machine-readable form. The data were manipulated to form BELDEX card images; permuted title and author-title indexes were then produced. Together, the accession list, plus the indexes, are highly useful and valuable, not only for reference personnel, but for all those interested in physical property data.

I thank David Lide, Chief of the OSRD, and his associate Robert Thompson, for furnishing me the data, and for helpful assistance.

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NUCLEAR ASTROPHYSICS A BIBLIOGRAPHICAL SURVEY NEW YORK:			GORDON AND BREACH, SCIENCE PUBLISHERS 1967 450P		008
LS, 1957 3LP AVAILABLE FROM SUPERINTENDENT OF DOCUMENTS,			GPO /NAL BUREAU OF STANDARDS, WASHINGTON, D. C. JULY		007
HANDBOOK OF MATHEMATICAL FUNCTIONS WITH FORMULAS			GRAPHS AND MATHEMATICAL TABLES		005
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ROCKET PROPELLANT HANDBOOK NEW YORK: THE		MACMILLAN COMPANY	1960 354P	008
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